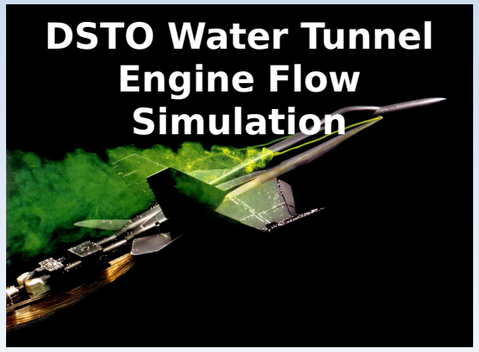
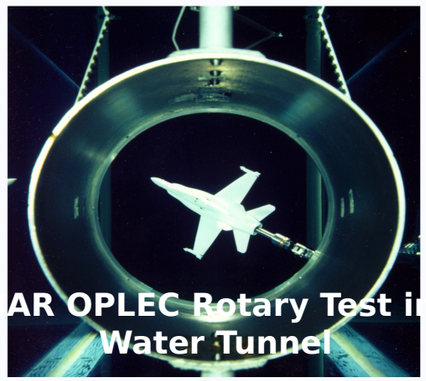
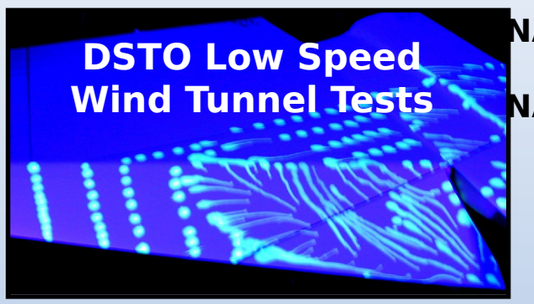
# Nonplanar High-Alpha Aerodynamic Modeling

## *Aerospace Systems Group / Fixed Wing Systems Aerodynamics*



*All of these data sets were integrated into one IAR Nonplanar Model*






**Objective**:

to create a nonplanar aero model and use new experimental methodologies to advance post-stall flight simulation capabilities

**Payoff**:

Improved post-stall flight simulation model
Enhanced pilot and UAV operator training
Methodology for extrapolation to full scale
Cost-effective flight dynamic prediction

**Participants:**

**NASA/ NAVAIR** **IAR** **DSTO**